

**BOBBY JINDAL**  
GOVERNOR



**HAROLD LEGGETT, PH.D.**  
SECRETARY

**State of Louisiana**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**ENVIRONMENTAL SERVICES**

Certified Mail No.

Activity No.: PER20090001  
Agency Interest No. 166495

Mr. Ryan Coffey  
Vice President  
ETC Tiger Pipeline, LLC  
800 E Sonterra Blvd, Suite 400  
San Antonio, TX 78258-3941

RE: Part 70 Operating Permit  
ETC Tiger Pipeline, LLC - Chatham Compressor Station  
Chatham, Jackson Parish, Louisiana

Dear Mr. Ryan Coffey:

This is to inform you that the initial permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_\_ of \_\_\_\_\_, 2014, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

Permit No.: 1300-00478-V0

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary

CSN:DWP  
c: EPA Region VI

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**ETC Tiger Pipeline, LLC - Chatham Compressor Station**

Agency Interest No.: 166495

**ETC Tiger Pipeline, LLC  
Chatham, Jackson Parish, Louisiana**

**I. Background**

ETC Tiger Pipeline, LLC, ETC Tiger Pipeline, LLC - Chatham Compressor Station, is a new major source facility. The ETC Tiger Pipeline, LLC - Chatham Compressor Station will operate under Permit No. 1300-00478-V0.

This is the Part 70 operating permit for the facility.

**II. Origin**

A permit application and Emission Inventory Questionnaire were submitted by ETC Tiger Pipeline, LLC on August 3, 2009 requesting a Part 70 operating permit. Additional information dated September 2, 2009 was also received.

**III. Description**

The proposed Chatham Compressor Station is one component of the proposed Tiger Pipeline Project, an interstate pipeline transportation system designed to transport natural gas from the growing Haynesville shale production region in east Texas and northwest Louisiana to markets in the Midwest, Northeast and Southeast through seven interconnects with interstate natural gas pipeline system, and one bi-directional interconnect with an intrastate natural gas pipeline system. The Tiger Pipeline Project will be designed to transport up to 2 billion cubic feet of natural gas per day.

The proposed Chatham Compressor Station will be equipped with four natural gas-fired compressor engines (COMP-1 to COMP-4), piping, fugitive components (FUG), gas coolers, ten liquid storage tanks (TANK-1 to TANK-10), truck loading (LOAD), and an emergency generator (GEN-1) that will provide backup power for lights and computers. Ten tanks will be used for storage of pipeline fluids, lube oil, skid wash water, and engine coolant. Entrained liquids (water) separated from the inlet gas in high pressure separators will be routed to the 300-barrel tanks (TANK-2 to TANK-5). The pigged liquids and separated/entrained liquids will periodically be loaded into tank trucks for offsite transfer and disposal or sale as appropriate. Lube oil for the engines will be stored in one 100-barrel tank (TANK-6) and used lube oil to be shipped offsite will be stored in one 100-barrel tank (TANK-10). The engine skid will be routinely washed down with water for housekeeping. The runoff water with traces of oil will be stored in a 300-barrel tank (TANK-7). The remaining two tanks (TANK-8 and TANK-9) will be used for new and used engine cooling water, a 50/50 mixture of ethylene glycol and water.

Natural gas will be the only fuel fired in any of the combustion sources. Combustion exhaust

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**ETC Tiger Pipeline, LLC - Chatham Compressor Station**

**Agency Interest No.: 166495**

**ETC Tiger Pipeline, LLC**

**Chatham, Jackson Parish, Louisiana**

gases from each engine are routed through a silencer and then vented to the atmosphere. After compression by the compressor engines, the natural gas is discharged through a discharged header and continues to the transmission pipeline.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Emissions (tpy)</u>
PM <sub>10</sub>	8.69
SO <sub>2</sub>	8.21
NO <sub>x</sub>	142.98
CO	75.08
VOC *	61.91

**\*VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

<u>Pollutant</u>	<u>Emission (tpy)</u>
Formaldehyde	5.02
1,1,2,2-Tetrachloroethane	0.02
1,1,2-Trichloroethane	0.01
1,3-Dichloropropene	0.01
1,3-Butadiene	0.12
2,2,4-Trimethylpentane	0.11
2-Methylnaphthalene	0.01
Acetaldehyde	3.64
Acrolein	2.25
Benzene	0.21
Biphenyl	0.09
Carbon Tetrachloride	0.02
Chlorobenzene	0.01
Chloroform	0.01
Ethyl Benzene	0.02

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**ETC Tiger Pipeline, LLC - Chatham Compressor Station**

**Agency Interest No.: 166495**

**ETC Tiger Pipeline, LLC  
Chatham, Jackson Parish, Louisiana**

**\*VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Emission (tpy)
1,2-Dibromoethane	0.02
Methanol	1.10
Dichloromethane	0.01
n-Hexane	0.71
Naphthalene	0.03
PAH	0.01
Phenol	0.01
Styrene	0.01
Toluene	0.20
Vinyl Chloride	0.01
Xylene (mixed isomers)	0.09
Total	13.76

Other VOC (TPY): 48.15

**IV. Type of Review**

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply.

This facility is a minor source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**ETC Tiger Pipeline, LLC - Chatham Compressor Station  
Agency Interest No.: 166495  
ETC Tiger Pipeline, LLC  
Chatham, Jackson Parish, Louisiana**

person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2009; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

**VII. Effects on Ambient Air**

Emissions associated with the proposed facility were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS.

Dispersion Model(s) Used: Screen Dispersion Model (ISCST3)

Pollutant	Averaging Period	Calculated Maximum Ground Level Concentration ( $\mu\text{g}/\text{m}^3$ )	National Ambient Air Quality Standard ( $\mu\text{g}/\text{m}^3$ )
PM <sub>10</sub>	24 hour	0.94	150
	Annual	0.19	50
Sulfur Dioxide	3 hour	2.02	1300
	24 hour	0.91	365
	Annual	0.17	80
Nitrogen Dioxide	Annual	5.11	100
Carbon Monoxide	1 hour	93.88	40,000
	8 hour	65.86	10,000

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**ETC Tiger Pipeline, LLC - Chatham Compressor Station**  
**Agency Interest No.: 166495**  
**ETC Tiger Pipeline, LLC**  
**Chatham, Jackson Parish, Louisiana**

**VIII. General Condition XVII Activities**

Work Activity	Schedule	Emission Rates – tons per year				
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>X</sub>	CO	VOC
Safety Inspection/Checks on Pressure/Vacuum						<0.01
Vents on Tanks						
Inspection on Control Devices						<0.01
Services Factors on Control Devices						<0.01
Removal of Tank Sludge						<0.01
Vessel Preparation						<0.01
Instrument Maintenance						<0.01
Tank Gauging						<0.01
Nitrogen Blowing of Lines and Equipment						<0.01
Valve Maintenance						<0.01
Miscellaneous Equipment Preparation						<0.01
Startups and Shutdowns						<5.0      <5.0      <5.0

**IX. Insignificant Activities**

ID No.:	Description	Citation
TANK-10	Used oil storage tank, 4200 gallon	Insignificant Activity per LAC 33:III.501.B.5.A.3.
TANK-8 & TANK -9	2 Coolant tanks, 4200 gallon each	Insignificant Activity per LAC 33:III.501.B.5.A.3.
TANK-7	Wastewater storage tank, 12600 gallon	Insignificant Activity per LAC 33:III.501.B.5.D.
BD-1	Blowdown vent, 9 MMSCF/yr	Insignificant Activity per LAC 33:III.501.B.5.D.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**ETC Tiger Pipeline, LLC - Chatham Compressor Station**  
**Agency Interest No.: 166495**  
**ETC Tiger Pipeline, LLC**  
**Chatham, Jackson Parish, Louisiana**

**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	5▲	219	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	2121	29*	51*	53*	56	59*
UNF1	Facility-Wide	1	1	1	1	1										1			1	
EQT01	COMP-1, -2, and -3; 8,180-hp Compressor Engine w/ Oxid. Cat.	1																		
EQT02	COMP-4,4,735-hp Compressor Engine w/ Oxid. Cat.	1																		
EQT03																				
EQT04	COMP-4,4,735-hp Compressor Engine w/ Oxid. Cat.	1																		
EQT05	GEN-1; 1,480-HP Generator Engine w/Cat. Converter																			
EQT06	TANK-1; 300-bbl Fixed Roof Condensate Storage Tank																			
EQT07	TANK-2, -3, -4, and -5; 300-bbl Fixed Roof Produced Water Storage Tank																			
EQT08																				
EQT09																				
EQT10																				
EQT11	TANK-6; 300-bbl Fixed Roof Lube Oil Storage Tank																			
EQT12	LOAD: Tank Truck Loading																			
FUG01	Fugitive Emissions																			

\* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the “Specific Requirements” report specifically states that the regulation is State Only.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**ETC Tiger Pipeline, LLC - Chatham Compressor Station**  
**Agency Interest No.: 166495**  
**ETC Tiger Pipeline, LLC**  
**Chatham, Jackson Parish, Louisiana**

**KEY TO MATRIX**

- 1 -The regulations have applicable requirements that apply to **this** particular emission source.  
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to **this** particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source **will** have to comply at a future date.
- 3 -The regulations apply to **this** general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to **this** particular emission source.  
Blank – The regulations clearly **do not** apply to **this** type of emission source.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**ETC Tiger Pipeline, LLC - Chatham Compressor Station**  
 Agency Interest No.: 166495  
**ETC Tiger Pipeline, LLC**  
**Chatham, Jackson Parish, Louisiana**

**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61			40 CFR 63 NESHAP			40 CFR				
		A	K	Ka	Kb	Db	Dc	GG	KKK	JJJ	A	J	V	A	HH	SS	ZZZZ	64
UNF1	Facility-Wide	1																
EQT01	COMP-1, -2, and -3: 8,180-hp Compressor Engine w/ Oxid. Cat.									1								
EQT02																		
EQT03		1																
EQT04	COMP-4: 4,735-hp Compressor Engine w/ Oxid. Cat.									1								1
EQT05	GEN-1: 1,480-HP Generator Engine w/Cat. Converter									1								1
EQT06	TANK-1: 300-bbl Fixed Roof Condensate Storage Tank								3									1
EQT07	TANK-2, -3, -4, and -5: 300-bbl Fixed Roof Produced Water Storage Tank																	
EQT08																		
EQT09																		
EQT11	TANK-6: 300-bbl Fixed Roof Lube Oil Storage Tank																	
EQT12	LOAD: Tank Truck Loading																	
FUG01	Fugitive Emissions																	

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**ETC Tiger Pipeline, LLC - Chatham Compressor Station**  
Agency Interest No.: 166495  
**ETC Tiger Pipeline, LLC**  
**Chatham, Jackson Parish, Louisiana**

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements that apply to this particular emission source.  
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.  
Blank – The regulations clearly do not apply to this type of emission source.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**ETC Tiger Pipeline, LLC - Chatham Compressor Station**  
**Agency Interest No.: 166495**  
**ETC Tiger Pipeline, LLC**  
**Chatham, Jackson Parish, Louisiana**

**KEY TO MATRIX**

- 1 -The regulations have applicable requirements that apply to this particular emission source.  
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.  
Blank – The regulations clearly do not apply to this type of emission source.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**ETC Tiger Pipeline, LLC - Chatham Compressor Station**  
 Agency Interest No.: 166495  
**ETC Tiger Pipeline, LLC**  
**Chatham, Jackson Parish, Louisiana**

**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
COMP-1 to -4 Compressor Engines	Emission Standards for Particulate Matter [LAC 33:III.1313]	DOES NOT APPLY. These engines do not produce steam, hot water, or other indirect heating of liquids, gases, or solids [LAC 33:III.1313.B].
GEN-1 Emergency Engine	Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1511.A]  Emission Standards for Sulfur Dioxide Recordkeeping and Reporting [LAC 33:III.1513]	EXEMPT. Units emit less than 250 tons of SO <sub>2</sub> per year. Record and retain at the site for at least 2 years the data required to demonstrate compliance with or exemption from SO <sub>2</sub> standards of Chapter 15. Compliance data shall be reported annually in accordance with LAC 33:III.918.
TANK-1 to -6 Storage Tanks	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tanks have a capacity of less than 75 cubic meters and store condensate prior to custody transfer.
LOAD Tank Truck Loading	Control of Organic Compound Emissions, Storage of Volatile Organic Compounds [LAC 33:III.2103]  Control of Emissions of Organic Compounds from VOC Loading [LAC 33:III.2107]	DOES NOT APPLY. These tanks store crude oil and condensate, and are less than 420,000 gallons [LAC 33:III.2103.G.1].

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**ETC Tiger Pipeline, LLC - Chatham Compressor Station**  
Agency Interest No.: 166495  
ETC Tiger Pipeline, LLC  
Chatham, Jackson Parish, Louisiana

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

General Information

**AI ID:** 166495 ETC Tiger Pipeline LLC - Chatham Compressor Station  
**Activity Number:** PER20090001  
**Permit Number:** 1300-00478-V0  
**Air - Title V Regular Permit Initial**

Also Known As:	Name	User Group	Start Date
	1300-00478 CDS Number ETC Tiger Pipeline LLC	CDS Number Multimedia	08-26-2009 08-26-2009
Physical Location:			
Mailing Address:	800 E Sonterra Blvd Ste 400 San Antonio, TX 782583941	Mailing Address	
Related People:	Ryan Coffey Ryan Coffey		
	Name	Phone (Type)	Relationship
	Ryan Coffey Ryan Coffey	800 E Sonterra Blvd Ste 400 San Antonio, TX 782583941 800 E Sonterra Blvd Ste 400 San Antonio, TX 782583941	2104037300 (WP) 2104037300 (WP)
Related Organizations:	ETC Tiger Pipeline LLC ETC Tiger Pipeline LLC ETC Tiger Pipeline LLC	Address	
	ETC Tiger Pipeline LLC ETC Tiger Pipeline LLC ETC Tiger Pipeline LLC	800 E Sonterra Blvd Ste 400 San Antonio, TX 782583941 800 E Sonterra Blvd Ste 400 San Antonio, TX 782583941 800 E Sonterra Blvd Ste 400 San Antonio, TX 782583941	Operates Air Billing Party for Owns

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milan, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

**INVENTORIES**

AI ID: 166495 - ETC Tiger Pipeline LLC - Chatham Compressor Station  
 Activity Number: PER20090001  
 Permit Number: 1300-00478-V0  
 Air - Title V Regular Permit Initial

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>Entire Facility</b>						
EQT 0001	COMP-1 - Compressor Engine Cat G16CM34		8180 horsepower	8180 horsepower		8760 hr/yr
EQT 0002	COMP-2 - Compressor Engine Cat G16CM34		8180 horsepower	8180 horsepower		8760 hr/yr
EQT 0003	COMP-3 - Compressor Engine Cat G16CM34		8180 horsepower	8180 horsepower		8760 hr/yr
EQT 0004	COMP-4 - Compressor Engine Cat G3616		4735 horsepower	4735 horsepower		8760 hr/yr
EQT 0005	GEN-1 - Emergency Generator, Waukesha L7042GSI, 1480 hp equipped with Catalytic Converter	12.25 MM BTU/hr	12.25 MM BTU/hr	12.25 MM BTU/hr	500 hr/yr	
EQT 0006	TANK-1 - Tank, 300 bbl, Condensate			1.1 bbl/day	Condensate	8760 hr/yr
EQT 0007	TANK-2 - Tank, 300 bbl, Produced Water		15 bbl/yr	15 bbl/yr	Produced water	8760 hr/yr
EQT 0008	TANK-3 - Tank, 300 bbl, Produced Water		15 bbl/yr	15 bbl/yr	Produced water	8760 hr/yr
EQT 0009	TANK-4 - Tank, 300 bbl, Produced Water		15 bbl/yr	15 bbl/yr	Produced water	8760 hr/yr
EQT 0010	TANK-5 - Tank, 300 bbl, Produced Water		15 bbl/yr	15 bbl/yr	Produced water	8760 hr/yr
EQT 0011	TANK-6 - 300 BBL Lube Oil Tank		4 bbl/day	4 bbl/day	Lube oil	8760 hr/yr
EQT 0012	Truck Loading - Truck Loading		730 bbl/yr	730 bbl/yr	4 hr/yr	4 hr/yr
FUG 0001	FUG - Fugitive Emissions					8760 hr/yr

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
<b>Entire Facility</b>							
EQT 0001	COMP-1 - Compressor Engine Cat G16CM34	72	41291	3.5		60	653
EQT 0002	COMP-2 - Compressor Engine Cat G16CM34	72	41291	3.5		60	653
EQT 0003	COMP-3 - Compressor Engine Cat G16CM34	72	41291	3.5		60	653
EQT 0004	COMP-4 - Compressor Engine Cat G3616	91	30648	2.6		55	857
EQT 0005	GEN-1 - Emergency Generator, Waukesha L7042GSI, 1480 hp equipped with Catalytic Converter	102	6568	1.2		30	1125
EQT 0006	TANK-1 - Tank, 300 bbl, Condensate			.35		16	70
EQT 0007	TANK-2 - Tank, 300 bbl, Produced Water			.35		16	70
EQT 0008	TANK-3 - Tank, 300 bbl, Produced Water			.35		16	70
EQT 0009	TANK-4 - Tank, 300 bbl, Produced Water			.35		16	70
EQT 0010	TANK-5 - Tank, 300 bbl, Produced Water			.35		16	70
EQT 0011	TANK-6 - 300 BBL Lube Oil Tank			.35		16	

Relationships:

**INVENTORIES**

AI ID: 166495 - ETC Tiger Pipeline LLC - Chatham Compressor Station  
 Activity Number: PER20090001  
 Permit Number: 1300-00478-V0  
 Air - Title V Regular Permit Initial

**Subject Item Groups:**

ID	Group Type	Group Description
CRG 0001	Common Requirements Group	Compressor Engine - Compressor Engine 1-4
CRG 0002	Common Requirements Group	Tank - Tank 2-5 for produced water
UNF 0001	Unit or Facility Wide	Entire Facility - Entire Facility

**Group Membership:**

ID	Description	Member of Groups
EQT 0001	COMP-1 - Compressor Engine Cat G16CM34	CRG0000000001
EQT 0002	COMP-2 - Compressor Engine Cat G16CM34	CRG0000000001
EQT 0003	COMP-3 - Compressor Engine Cat G16CM34	CRG0000000001
EQT 0004	COMP-4 - Compressor Engine Cat G3616	CRG0000000001
EQT 0007	TANK-2 - Tank, 300 bbl, Produced Water	CRG0000000002
EQT 0008	TANK-3 - Tank, 300 bbl, Produced Water	CRG0000000002
EQT 0009	TANK-4 - Tank, 300 bbl, Produced Water	CRG0000000002
EQT 0010	TANK-5 - Tank, 300 bbl, Produced Water	CRG0000000002

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

**Annual Maintenance Fee:**

Fee Number	Air Contaminant Source	Multplier	Units Of Measure
1450	1450 Recip. Nat Gas Comp (20,000 to 50,000 H.P.)	292. <b>75</b>	100 hp

**SIC Codes:**

4922	Natural gas transmission	UNF 001
------	--------------------------	---------

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AID: 166495 - ETC Tiger Pipeline LLC - Chatham Compressor Station  
 Activity Number: PER20090001  
 Permit Number: 1300-00478-V0  
 Air - Title V Regular Permit Initial

CO				NOx				PM 10				SO2				VOC			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
<b>Entire Facility</b>																			
EQT 0001 COMP_1	<b>4.51</b>	<b>5.41</b>	<b>19.75</b>	9.02	9.02	39.49	0.54	0.54	2.37	0.51	0.51	2.24	2.95	3.19	12.90				
EQT 0002 COMP_2	<b>4.51</b>	<b>5.41</b>	<b>19.75</b>	9.02	9.02	39.49	0.54	0.54	2.37	0.51	0.51	2.24	2.95	3.19	12.90				
EQT 0003 COMP_3	<b>4.51</b>	<b>5.41</b>	<b>19.75</b>	9.02	9.02	39.49	0.54	0.54	2.37	0.51	0.51	2.24	2.95	3.19	12.90				
EQT 0004 COMP_4	<b>2.87</b>	<b>2.87</b>	<b>12.57</b>	5.22	5.22	22.86	0.36	1.56	0.34	0.34	1.47	3.71	4.20	16.23					
EQT 0005 GEN_1	<b>13.05</b>	<b>15.66</b>	<b>3.26</b>	6.53	7.83	1.63	0.12	0.15	0.03	0.12	0.14	0.03	0.98	1.06	0.24				
EQT 0006 TANK_1																<b>1.14</b>	<b>1.14</b>	<b>4.99</b>	
EQT 0007 TANK_2																<b>0.04</b>	<b>0.04</b>	<b>0.17</b>	
EQT 0008 TANK_3																<b>0.04</b>	<b>0.04</b>	<b>0.17</b>	
EQT 0009 TANK_4																<b>0.04</b>	<b>0.04</b>	<b>0.17</b>	
EQT 0010 TANK_5																<b>0.04</b>	<b>0.04</b>	<b>0.17</b>	
EQT 0011 TANK_6																<b>0.002</b>	<b>0.002</b>	<b>0.01</b>	
EQT 0012 Truck Loading																<b>56.47</b>	<b>56.47</b>	<b>0.11</b>	
FUG 0001 FUG																<b>0.22</b>	<b>0.22</b>	<b>0.97</b>	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 166495 - ETC Tiger Pipeline LLC - Chatham Compressor Station

Activity Number: PER20090001

Permit Number: 1300-00478-V0

Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 COMP-1	1,1,2,2-Tetrachloroethane	0.001	0.001	0.01
	1,1,2-Trichloroethane	0.001	0.001	<0.01
	1,2-Dibromoethane	0.001	0.001	0.01
	1,3-Butadiene	0.01	0.01	0.03
	1,3-Dichloropropene	0.001	0.001	<0.01
	2,2,4-Trimethylpentane	0.01	0.01	0.03
	2-Methylnaphthalene	0.001	0.001	0.01
	Acetaldehyde	0.23	0.23	0.99
	Acrolein	0.14	0.14	0.61
	Benzene	0.01	0.01	0.05
	Biphenyl	0.01	0.01	0.03
	Carbon tetrachloride	0.001	0.001	<0.01
	Chlorobenzene	0.001	0.001	0.004
	Chloroform	0.001	0.001	<0.01
	Dichloromethane	0.001	0.001	<0.01
	Ethyl benzene	0.001	0.001	0.01
	Formaldehyde	0.24	0.27	1.05
	Methanol	0.07	0.07	0.30
	Naphthalene	0.002	0.002	0.01
	Phenol	0.001	0.001	<0.01
EQT 0002 COMP-2	Polynuclear Aromatic Hydrocarbons	0.001	0.001	0.003
	Styrene	0.001	0.001	<0.01
	Toluene	0.01	0.01	0.05
	Vinyl chloride	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	0.01	0.01	0.02
	n-Hexane	0.03	0.03	0.13
	1,1,2,2-Tetrachloroethane	0.001	0.001	0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 166495 - ETC Tiger Pipeline LLC - Chatham Compressor Station

Activity Number: PER20090001

Permit Number: 1300-00478-V0

Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0002 COMP-2	Acetaldehyde	0.23	0.23	0.99
	Acrolein	0.14	0.14	0.61
	Benzene	0.01	0.01	0.05
	Biphenyl	0.01	0.01	0.03
	Carbon tetrachloride	0.001	0.001	<0.01
	Chlorobenzene	0.001	0.001	0.004
	Chloroform	0.001	0.001	<0.01
	Dichloromethane	0.001	0.001	<0.01
	Ethyl benzene	0.001	0.001	0.01
	Formaldehyde	0.24	0.27	1.05
	Methanol	0.07	0.07	0.30
	Naphthalene	0.002	0.002	0.01
	Phenol	0.001	0.001	<0.01
	Polynuclear Aromatic Hydrocarbons	0.001	0.001	0.003
	Styrene	0.001	0.001	<0.01
EQT 0003 COMP-3	Toluene	0.01	0.01	0.05
	Vinyl chloride	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	0.01	0.01	0.02
	n-Hexane	0.03	0.03	0.13
	1,1,2,2-Tetrachloroethane	0.001	0.001	0.01
	1,1,2-Trichloroethane	0.001	0.001	<0.01
	1,2-Dibromoethane	0.001	0.001	0.01
	1,3-Butadiene	0.01	0.01	0.03
	1,3-Dichloropropene	0.001	0.001	<0.01
	2,2,4-Trimethylpentane	0.01	0.01	0.03
	2-Methylnaphthalene	0.001	0.001	<0.01
	Acetaldehyde	0.23	0.23	0.99
	Acrolein	0.14	0.14	0.61
	Benzene	0.01	0.01	0.05
	Biphenyl	0.01	0.01	0.03
	Carbon tetrachloride	0.001	0.001	<0.01
	Chlorobenzene	0.001	0.001	0.004
	Chloroform	0.001	0.001	<0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 166495 - ETC Tiger Pipeline LLC - Chatham Compressor Station

Activity Number: PER20090001

Permit Number: 1300-00478-V0

Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0003 COMP-3	Dichloromethane	0.001	0.001	<0.01
	Ethyl benzene	0.001	0.001	0.01
	Formaldehyde	0.24	0.27	1.05
	Methanol	0.07	0.07	0.30
	Naphthalene	0.002	0.002	0.01
	Phenol	0.001	0.001	<0.01
	Polynuclear Aromatic Hydrocarbons	0.001	0.001	0.003
	Styrene	0.001	0.001	<0.01
	Toluene	0.01	0.01	0.05
	Vinyl chloride	<0.001	<0.001	<0.01
EQT 0004 COMP-4	Xylene (mixed isomers)	0.01	0.01	0.02
	n-Hexane	0.03	0.03	0.13
	1,1,2,2-Tetrachloroethane	0.001	0.001	<0.01
	1,1,2-Trichloroethane	0.001	0.001	<0.01
	1,2-Dibromoethane	0.001	0.001	<0.01
	1,3-Butadiene	0.01	0.01	0.02
	1,3-Dichloropropene	0.001	0.001	<0.01
	2,2,4-Trimethylpentane	0.004	0.004	0.02
	2-Methylnaphthalene	0.001	0.001	<0.01
	Acetaldehyde	0.15	0.15	0.65
	Acrolein	0.09	0.09	0.40
	Benzene	0.010	0.010	<0.03
	Biphenyl	0.004	0.004	0.02
	Carbon tetrachloride	0.001	0.001	<0.01
	Chlorobenzene	0.001	0.001	0.002
	Chloroform	0.001	0.001	<0.01
	Dichloromethane	<0.001	<0.001	<0.01
	Ethyl benzene	0.001	0.001	<0.01
	Formaldehyde	0.42	0.50	1.83
	Methanol	0.04	0.04	0.19
	Naphthalene	0.001	0.001	0.010
	Phenol	<0.001	<0.001	<0.01
	Polynuclear Aromatic Hydrocarbons	0.001	0.001	0.002

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 166495 - ETC Tiger Pipeline LLC - Chatham Compressor Station

Activity Number: PER20090001

Permit Number: 1300-00478-V0

Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0004 COMP-4	Styrene	<0.001	<0.001	<0.01
	Toluene	0.01	0.01	0.03
	Vinyl chloride	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	0.003	0.003	0.01
	n-Hexane	0.02	0.02	0.09
EQT 0005 GEN-1	1,3-Butadiene	0.01	0.01	0.002
	Acetaldehyde	0.03	0.04	0.01
	Acrolein	0.03	0.04	0.01
	Benzene	0.02	0.02	<0.01
	Formaldehyde	0.16	0.20	0.04
	Methanol	0.04	0.04	0.01
	Toluene	0.01	0.01	<0.01
	Xylene (mixed isomers)	0.002	0.003	<0.01
EQT 0006 TANK-1	Benzene	0.001	0.001	0.010
	Ethyl benzene	<0.001	<0.001	<0.01
	Toluene	0.003	0.003	0.01
	Xylene (mixed isomers)	0.001	0.001	0.010
	n-Hexane	0.03	0.03	0.15
EQT 0007 TANK-2	Toluene	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	0.003	0.003	0.01
EQT 0008 TANK-3	Toluene	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	0.003	0.003	0.01
EQT 0009 TANK-4	Toluene	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	0.003	0.003	0.01
EQT 0010 TANK-5	Toluene	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	0.003	0.003	0.01
EQT 0012 Truck Loading	Benzene	0.14	0.14	<0.01
	Ethyl benzene	0.02	0.02	<0.01
	Toluene	0.34	0.34	<0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 166495 - ETC Tiger Pipeline LLC - Chatham Compressor Station

Activity Number: PER20090001

Permit Number: 1300-00478-V0

Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0012 Truck Loading	Xylene (mixed isomers)	0.15	0.15	<0.01
	n-Hexane	3.70	3.70	0.01
FUG 0001 FUG	Benzene	<0.001	<0.001	0.01
	Toluene	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	0.01	0.01	0.03
UNF 0001 Entire Facility	1,1,2,2-Tetrachloroethane			0.02
	1,1,2-Trichloroethane			0.01
	1,2-Dibromoethane			0.02
	1,3-Butadiene			0.12
	1,3-Dichloropropene			0.01
	2,2,4-Trimethylpentane			0.11
	2-Methylnaphthalene			0.01
	Acetaldehyde			3.64
	Acrolein			2.25
	Benzene			0.21
	Biphenyl			0.09
	Carbon tetrachloride			0.02
	Chlorobenzene			0.01
	Chloroform			0.01
	Dichloromethane			0.01
	Ethyl benzene			0.02
	Formaldehyde			5.02
	Methanol			1.10
	Naphthalene			0.03
	Phenol			0.01
	Polynuclear Aromatic Hydrocarbons			0.01
	Styrene			0.01
	Toluene			0.20
	Vinyl chloride			0.01
	Xylene (mixed isomers)			0.09
	n-Hexane			0.71

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

**AI ID: 166495 - ETC Tiger Pipeline LLC - Chatham Compressor Station**

**Activity Number: PER20090001**

**Permit Number: 1300-00478-V0**

**Air - Title V Regular Permit Initial**

attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

**SPECIFIC REQUIREMENTS**

AI ID: 166495 - ETC Tiger Pipeline LLC - Chatham Compressor Station  
 Activity Number: PER20090001  
 Permit Number: 1300-00478-V0  
 Air - Title V Regular Permit Initial

**EQT 0005 GEN-1 - Emergency Generator, Waukesha L7042GSI, 1480 hp equipped with Catalytic Converter**

- 1 [40 CFR 60.4233(e)] Nitrogen oxides <= 2.0 g/BHP-hr (0.0044 lb/HP-hr, 160 ppmvd at 15% O<sub>2</sub>). Subpart JJJJ. [40 CFR 60.4233(e)]  
 Which Months: All Year Statistical Basis: None specified  
 (Excluding formaldehyde) VOC, Total <= 1.0 g/BHP-hr (0.0022 lb/HP-hr, 86 ppmvd at 15% O<sub>2</sub>). Subpart JJJJ. [40 CFR 60.4233(e)]
- 2 [40 CFR 60.4233(e)] Which Months: All Year Statistical Basis: None specified  
 Carbon monoxide <= 4.0 g/BHP-hr (0.0088 lb/HP-hr, 540 ppmvd at 15% O<sub>2</sub>). Subpart JJJJ. [40 CFR 60.4233(e)]
- 3 [40 CFR 60.4233(e)] Which Months: All Year Statistical Basis: None specified  
 Operate and maintain stationary SI ICE to achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine.  
 Subpart JJJJ.
- 4 [40 CFR 60.4234] Conduct an initial performance test. Conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance, if the engine is greater than 500 HP. Subpart JJJJ. [40 CFR 60.4243(b)(2)]
- 5 [40 CFR 60.4243(b)(2)] Ensure that the engine is maintained and operated to the extent practicable in a manner consistent with good air pollution control practice for minimizing emissions. Subpart JJJJ. [40 CFR 60.4243(b)(2)]
- 6 [40 CFR 60.4243(b)(2)] Demonstrate compliance with the emission standards specified in 40 CFR 60.4233(d) or (e) according to the requirements specified in 40 CFR 60.4244, as applicable. Subpart JJJJ. [40 CFR 60.4243(b)(2)]
- 7 [40 CFR 60.4243(b)(2)] Operate for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Limit maintenance checks and readiness testing to 100 hours per year. Operate up to 50 hours per year in non-emergency situations, but count those 50 hours towards the 100 hours per year provided for maintenance and testing. Do not use the 50 hours per year for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. Do not operate for any reason other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in 40 CFR 60.4243(d). Subpart JJJJ. [40 CFR 60.4243(d)]
- 8 [40 CFR 60.4243(d)] Operate using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations. Keep records of such use. If propane is used for more than 100 hours per year and the engine is not certified to the emission standards when using propane, conduct a performance test to demonstrate compliance with the emission standards of 40 CFR 60.4233. Subpart JJJJ. [40 CFR 60.4243(e)]
- 9 [40 CFR 60.4243(e)] Air-to-fuel ratio controller: Maintain and operate appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. Subpart JJJJ. [40 CFR 60.4243(g)]
- 10 [40 CFR 60.4243(g)] Conduct performance tests by following the procedures in 40 CFR 60.4244(a) through (g). Subpart JJJJ.
- 11 [40 CFR 60.4244] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information in 40 CFR 60.4245(a)(1) through (a)(4). Subpart JJJJ. [40 CFR 60.4245(a)]
- 12 [40 CFR 60.4245(a)] Submit an initial notification as required in 40 CFR 60.7(a)(1). Include the information in 40 CFR 60.4245(c)(1) through (c)(5). Subpart JJJJ. [40 CFR 60.4245(c)]
- 13 [40 CFR 60.4245(c)] Submit performance test results: Due within 60 days after each test conducted according to 40 CFR 60.4244 has been completed. Subpart JJJJ. [40 CFR 60.4245(d)]
- 14 [40 CFR 60.4245(d)] Meet the requirements of 40 CFR 60 Subpart JJJJ for spark ignition engines. Subpart ZZZZ. [40 CFR 63.6590(c)]
- 15 [40 CFR 63.6590(c)]

**SPECIFIC REQUIREMENTS**

AI ID: 166495 - ETC Tiger Pipeline LLC - Chatham Compressor Station  
 Activity Number: PER20090001  
 Permit Number: 1300-00478-V0  
 Air - Title V Regular Permit Initial

**EQT 0005 GEN-1 - Emergency Generator, Waukesha L7042GSI, 1480 hp equipped with Catalytic Converter**

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for **not** more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: Six-minute average  
 Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

**FUG 0001 FUG - Fugitive Emissions**

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

**CRG 0001 Compressor Engine - Compressor Engine 1-4**

Group Members: EQT 0001 EQT 0002 EQT 0003 EQT 0004

- 20 [40 CFR 60.4233(e)] Nitrogen oxides <= 2.0 g/BHP-hr (0.0044 lb/HP-hr; 160 ppmvd at 15% O2). Subpart JJJ. [40 CFR 60.4233(e)]  
 Which Months: All Year Statistical Basis: None specified
- 21 [40 CFR 60.4233(e)] Carbon monoxide <= 4.0 g/BHP-hr (0.0088 lb/HP-hr; 540 ppmvd at 15% O2). Subpart JJJ. [40 CFR 60.4233(e)]  
 Which Months: All Year Statistical Basis: None specified  
 (Excluding formaldehyde) VOC, Total <= 1.0 g/BHP-hr; 86 ppmvd at 15% O2). Subpart JJJ. [40 CFR 60.4233(e)]  
 Which Months: All Year Statistical Basis: None specified
- 22 [40 CFR 60.4233(e)] Operate and maintain stationary SI ICE to achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine.  
 Subpart JJJ.  
 Demonstrate compliance with the emission standards specified in 40 CFR 60.4233(d) or (e) according to the requirements specified in 40 CFR 60.4244, as applicable. Subpart JJJ. [40 CFR 60.4243(b)(2)]
- 23 [40 CFR 60.4234] Conduct an initial performance test. Conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance, if the engine is greater than 500 HP. Subpart JJJ. [40 CFR 60.4243(b)(2)]  
 Ensure that the engine is maintained and operated to the extent practicable in a manner consistent with good air pollution control practice for minimizing emissions. Subpart JJJ. [40 CFR 60.4243(b)(2)]
- 24 [40 CFR 60.4243(b)(2)] Operate using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations. Keep records of such use. If propane is used for more than 100 hours per year and the engine is not certified to the emission standards when using propane, conduct a performance test to demonstrate compliance with the emission standards of 40 CFR 60.4233. Subpart JJJ. [40 CFR 60.4243(e)]
- 25 [40 CFR 60.4243(b)(2)]
- 26 [40 CFR 60.4243(b)(2)]
- 27 [40 CFR 60.4243(e)]

**SPECIFIC REQUIREMENTS**

AI ID: 166495 - ETC Tiger Pipeline LLC - Chatham Compressor Station  
 Activity Number: PER20090001  
 Permit Number: 1300-00478-V0  
 Air - Title V Regular Permit Initial

**CRG 0001 Compressor Engine - Compressor Engine 1-4**

- 28 [40 CFR 60.4243(g)] Air-to-fuel ratio controller: Maintain and operate appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. Subpart JJJ. [40 CFR 60.4243(g)]  
 Conduct performance tests by following the procedures in 40 CFR 60.4244(a) through (g). Subpart JJJ.
- 29 [40 CFR 60.4244] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information in 40 CFR 60.4245(a)(1) through (a)(4). Subpart JJJ. [40 CFR 60.4245(a)]
- 30 [40 CFR 60.4245(a)] Submit an initial notification as required in 40 CFR 60.7(a)(1). Include the information in 40 CFR 60.4245(c)(1) through (c)(5). Subpart JJJ.
- 31 [40 CFR 60.4245(c)] [40 CFR 60.4245(c)]
- 32 [40 CFR 60.4245(d)] Submit performance test results: Due within 60 days after each test conducted according to 40 CFR 60.4244 has been completed. Subpart JJJ.  
 [40 CFR 60.4245(d)]
- 33 [40 CFR 63.6590(c)] Meet the requirements of 40 CFR 60 Subpart JJJ for spark ignition engines. Subpart ZZZZ. [40 CFR 63.6590(c)]
- 34 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 35 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 36 [LAC 33:III.1513.C] Which Months: All Year Statistical Basis: Six-minute average  
 Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

**UNF 0001 Entire Facility - Entire Facility**

- 37 [40 CFR 60.] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.  
 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.  
 Outdoor burning of waste material or other combustible material is prohibited.  
 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.  
 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.  
 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.  
 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.

**SPECIFIC REQUIREMENTS**

**AI ID:** 166495 - ETC Tiger Pipeline LLC - Chatham Compressor Station  
**Activity Number:** PER20090001  
**Permit Number:** 1300-00478-V0  
**Air - Title V Regular Permit Initial**

**UNF 0001 Entire Facility - Entire Facility**

- 44 [LAC 33:III.2901.F] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537.
- [LAC 33:III.535, LAC 33:III.537]
- 45 [LAC 33:III.535] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority.
- During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- Submit Emission Inventory (EI)/Annual Emissions Statement. Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.
- Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:I.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:I.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.
- No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded.